

Title (en)

ADDITIVE FOR QUALITY DETERMINATION OF CONVERSION COATINGS

Title (de)

ADDITIV ZUR QUALITÄTSBESTIMMUNG VON UMWANDLUNGSBESCHICHTUNGEN

Title (fr)

ADDITIF POUR DÉTERMINER LA QUALITÉ DE REVÊTEMENTS DE CONVERSION

Publication

EP 3632991 A1 20200408 (EN)

Application

EP 19201089 A 20191002

Priority

US 201816152050 A 20181004

Abstract (en)

A method of applying a trivalent chromium or chromium-free conversion coating to a metallic substrate (10) including mixing a dye compound (16) that interacts with electromagnetic radiation outside the human visual spectrum but not electromagnetic radiation that is within the human visual spectrum to produce an observable emission into the trivalent chromium or chromium-free conversion coating mixture to allow for inspection of the coating after applied with a correlating electromagnetic radiation source.

IPC 8 full level

C09D 5/08 (2006.01); **C09D 7/40** (2018.01)

CPC (source: EP US)

C09D 5/004 (2013.01 - US); **C09D 5/08** (2013.01 - EP); **C09D 5/084** (2013.01 - US); **C09D 5/086** (2013.01 - US); **C09D 5/22** (2013.01 - EP US); **C09D 5/32** (2013.01 - US); **C09D 7/40** (2017.12 - EP); **C23C 22/34** (2013.01 - EP); **C23C 22/48** (2013.01 - EP); **G01N 21/6447** (2013.01 - US); **C09K 11/00** (2013.01 - EP); **C23C 2222/10** (2013.01 - EP)

Citation (search report)

- [XYI] US 2016083848 A1 20160324 - CHERNYSHOV DMITRY [DE]
- [I] WO 2017116547 A1 20170706 - PPG IND OHIO INC [US]
- [Y] KR 20150061404 A 20150604 - POSCO [KR]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3632991 A1 20200408; US 11084942 B2 20210810; US 11807779 B2 20231107; US 2020109295 A1 20200409; US 2021332249 A1 20211028

DOCDB simple family (application)

EP 19201089 A 20191002; US 201816152050 A 20181004; US 202117370489 A 20210708